

94 RF 01544



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DIST.	TH	INC
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BENJAMIN, A.		
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BRANCH, D.B.		
CARNIVAL, G.J.		
COPP, R.D.		
DAVIS, J.G.		
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MORGAN, R.V.		
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RISING, T.L.		
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SETLOCK, G.H.		
STEWART, D.L.		
SULLIVAN, M.T.		
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WILKINSON, R.B.		
WILLIAMS, S. (ORC)		
WILSON, J. M.		
WYANT, R.B.		
Ledford, J.A.	X	
OGG, R.T.		X
Paris, S.M.	X	
RUGER, K.		X
FILE (2)	X	
ERM REC (2)	X	
CORRES CONTROL	X	X
ADMIN RECORD		
PATST130G		
TBASEIC		

CLASSIFICATION:

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SECRET	

AUTHORIZED CLASSIFIER
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IN REPLY TO RFP CC NO:

ACTION ITEM STATUS

☐ PARTIAL/OPEN
☐ CLOSED

LTR APPROVALS:

ORIG & TYPIST INITIALS

SMP. bep

RF-46469 (Rev. 7/93)

EG&G ROCKY FLATS

EG&G ROCKY FLATS, INC.
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February 4, 1994

94-RF-01544

F. R. Lockhart
Environmental Restoration Division
DOE, RFO

TECHNICAL MEMORANDUM (TM) NO.1 TO FINAL PHASE I RCRA [RESOURCE CONSERVATION RECOVERY ACT] FACILITY INVESTIGATION/REMEDIAL INVESTIGATION (RFI/RI) WORK PLAN, VADOSE ZONE INVESTIGATION - SRK-026-94

The intent of this letter is to request a waiver from performing the double-ring infiltration test proposed in TM No.1 to the Operable Unit 4 (OU4) Final Phase I RFI/RI Work Plan.

The purpose of the double-ring infiltration tests, as stated in TM No.1, is to determine the rate of infiltration of precipitation into the subsurface, estimate the quantity of contaminants that were introduced into the subsurface during the operation of the Solar Ponds, and relate the infiltration to hydraulic conductivities.

EG&G Rocky Flats, Inc., has implemented a sitewide ground water recharge study at the Rocky Flats Plant. The purpose of this recharge study includes an assessment of the rate and fate of infiltration of precipitation into the Rocky Flats Alluvium. This study essentially duplicates the infiltration test proposed in TM No.1. Infiltration data collected from the sitewide ground water recharge study may be used to support the OU4 Vadose Zone Investigation.

The second objective of the infiltration test is to estimate the quantity of contaminants that were introduced into the subsurface during the operation of the Solar Ponds. This objective could be met by simply calculating the quantity from a mass balance equation using data from the Phase I RFI/RI drilling program.

The final objective of the infiltration test is to relate the results of the infiltration test to hydraulic conductivities, which may be accomplished by comparing OU4 hydraulic conductivity data with the data obtained from the sitewide ground water recharge study.

EG&G has discussed deleting the double-ring infiltration test from the vadose zone investigation with the Environmental Protection Agency (EPA) and Colorado Department of Health (CDH). CDH and EPA have informally agreed to utilize the site wide groundwater recharge study data in lieu of performing the double-ring infiltration tests.

F. R. Lockhart
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If you have any questions or require any additional information, please contact R.T. Ogg at extension 8608 or S.M. Paris, extension 8543.



S.R. Keith
Director
Solar Pond Projects

SMP:bep

Orig. and 1 cc - F. R. Lockhart

cc:

S. Howard	-	DOE, RFO
R. J. Schassburger	-	" "
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